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SIXTEENTH ANNUAL REPORT

of the

North Carolina Sanatorium *for the Treatment of Tuberculosis*

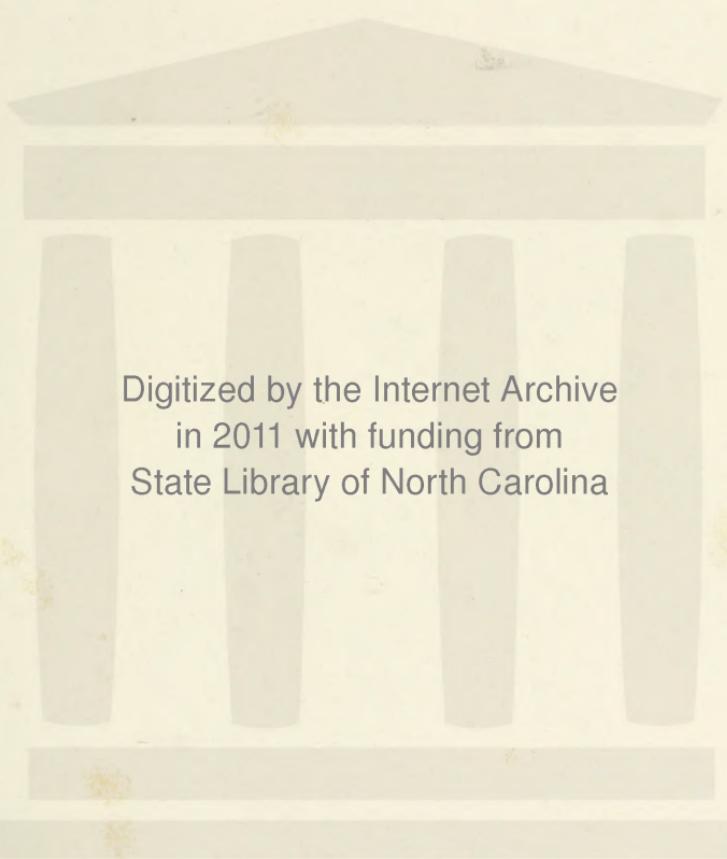
SANATORIUM, N. C.



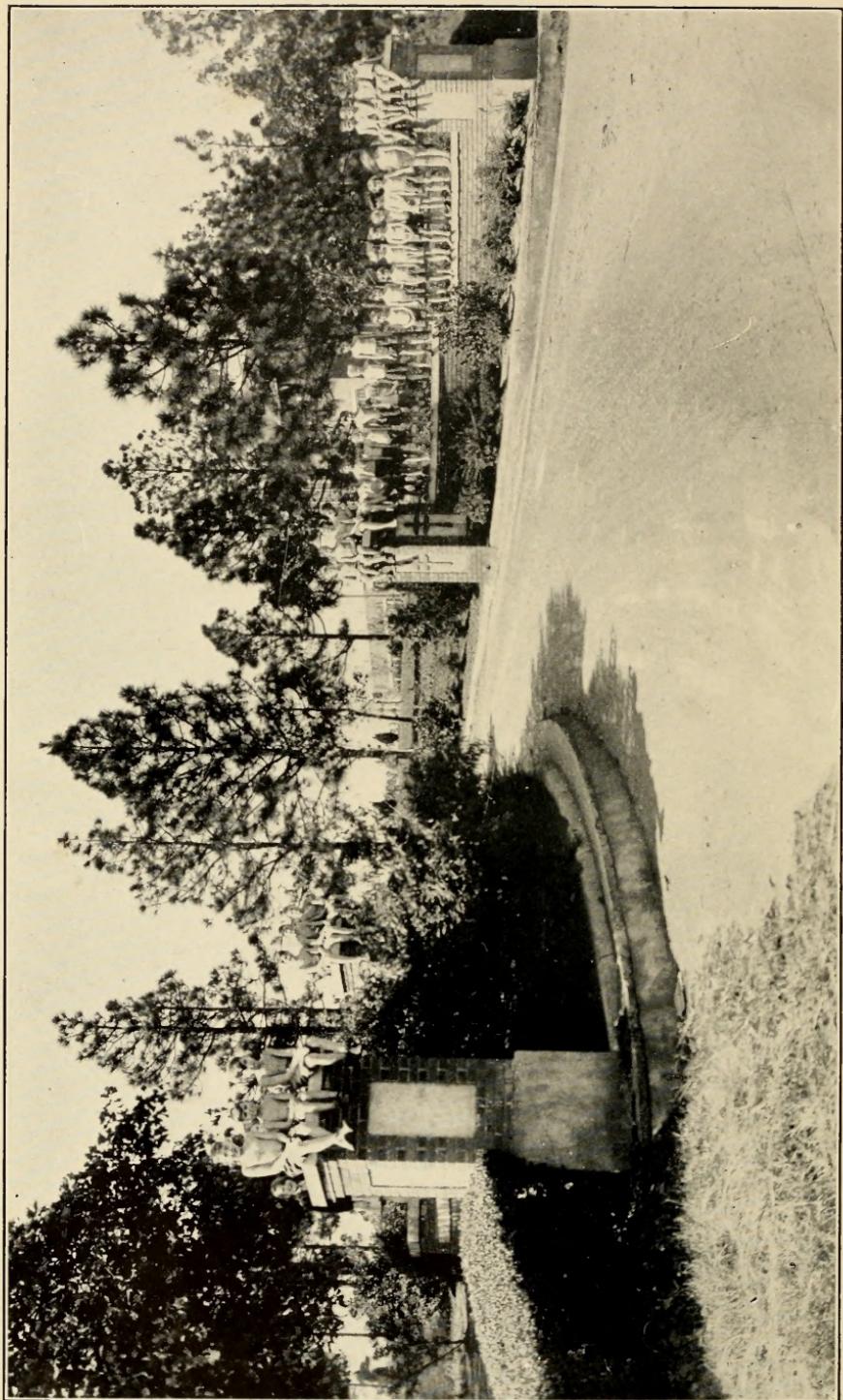
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FOR THE PERIOD

From July 1, 1928, to June 30, 1929



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"Here's to the land of the long-leaf pine,
The summer land where the sun doth shine,
Where the weak grow strong and the strong grow great,
Here's to Down-Home, the Old North State."

SIXTEENTH ANNUAL REPORT

of the

North Carolina Sanatorium
for the Treatment of Tuberculosis

SANATORIUM, N. C.



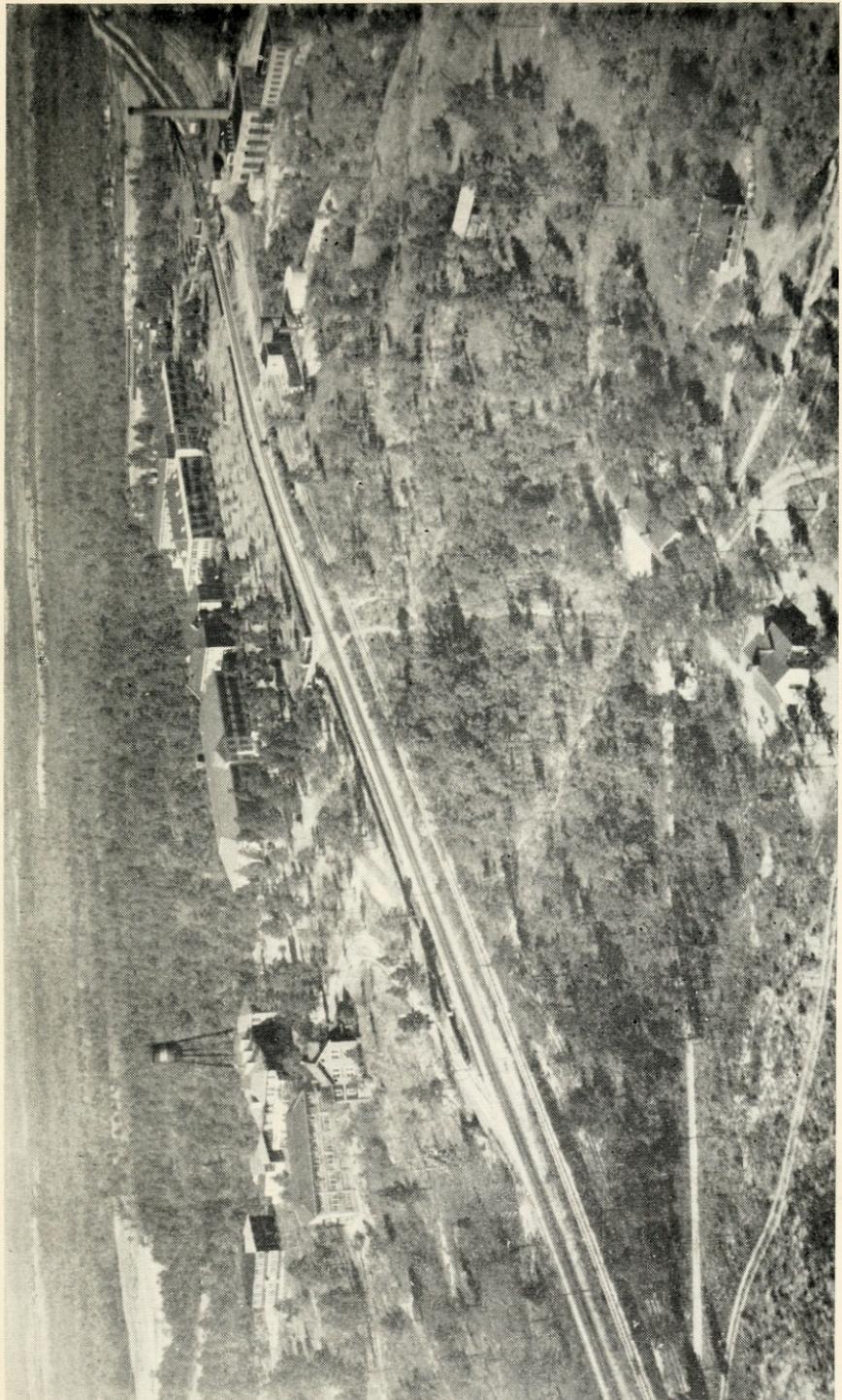
FOR THE PERIOD

From July 1, 1928, to June 30, 1929

Анна Гарольд
УДК 811.151

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AEROPLANE VIEW, WHITE DIVISION
Photo by U. S. Army Air Corps, Pope Field, Fort Bragg, N. C.

PERSONNEL

BOARD OF DIRECTORS

DR. T. W. M. LONG, <i>Chairman</i>	Roanoke Rapids
MR. U. L. SPENCE, <i>Vice-Chairman</i>	Carthage
MR. W. E. HARRISON, <i>Secretary</i>	Rockingham
DR. D. R. PERRY.....	Durham
MR. J. R. JONES.....	Sanford
MR. JONAS OETTINGER.....	Wilson
MR. STAHLÉ LINN.....	Salisbury
MRS. MAX T. PAYNE.....	Greensboro
MR. J. R. MCQUEEN.....	Lakeview

Superintendent and Medical Director.....	P. P. McCAIN, M.D.
Assistant Superintendent and Resident Physician.....	S. M. BITTINGER, M.D.
Assistant Physician.....	J. H. WILLIAMS, M.D.
Assistant Physician.....	W. G. BYERLY, M.D.
Assistant Physician.....	C. L. HARRINGTON, M.D.
Superintendent of Nurses.....	MISS ELIZABETH CONNOLY, R.N.
Assistant Superintendent of Nurses.....	MISS SUE BURTON
Dentist.....	L. V. HENDERSON, D.D.S.
Laboratory and X-ray Technician.....	MISS L. P. ROBERSON, R.N.
Cashier and Purchasing Officer.....	F. L. EUBANKS
Steward.....	J. B. WOMBLE
Farm Superintendent.....	E. B. GARRETT
Superintendent of Nurses, Colored Division.....	MRS. CARRIE BROADFOOT

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

Director.....	P. P. McCAIN, M.D.
Clinic Physician.....	S. E. LEE, M.D.
Clinic Physician.....	P. A. YODER, M.D.

CONSULTING STAFF

Orthopedic Surgeon.....	DR. O. L. MILLER.....	Gastonia
Surgery.....	DR. GEO. W. PRESSLY.....	Charlotte
	DR. J. F. HIGHSMITH.....	Fayetteville
Eye, Ear, Nose, and Throat.....	DR. JAS. M. LILLY.....	Fayetteville
	DR. WM. S. JORDAN.....	Fayetteville
	DR. W. P. MCKAY.....	Fayetteville
Laryngologist.....	DR. J. B. GREENE.....	Asheville
Genito-urinary.....	DR. A. J. CROWELL.....	Charlotte
	DR. J. D. HIGHSMITH.....	Fayetteville
Pathology.....	DR. JAS. B. BULLITT.....	Chapel Hill
Pharmacology.....	DR. WM. DEB. MACNIDER.....	Chapel Hill

LETTER OF TRANSMITTAL

To His Excellency,
GOVERNOR O. MAX GARDNER,
Raleigh, North Carolina.

SIR:—I have the honor to transmit herewith the report of the Superintendent of the operations of The North Carolina Sanatorium for the Treatment of Tuberculosis for the fiscal year ending June 30, 1929.

The report of the Superintendent is accepted as the report of the Board of Directors.

Respectfully submitted,

T. W. M. LONG,
Chairman, Board of Directors.

SIXTEENTH ANNUAL REPORT
of
THE NORTH CAROLINA SANATORIUM
for the Treatment of Tuberculosis

DR. T. W. M. LONG, *Chairman, Board of Directors, North Carolina Sanatorium, Roanoke Rapids, N. C.*

DEAR DR. LONG:—I submit herewith the Sixteenth Annual Report of the North Carolina Sanatorium, for the fiscal year closing June 30, 1929.

In the four divisions of the institution, Children's, White Adult, Colored, and Prison, there were treated during the year a total of 1,037 patients, at an average daily per capita cost of \$2.20, as compared with \$2.27 last year.

Separate detailed medical, laboratory, and X-ray reports of each division will be found in the body of the report, and also summaries of the work of the Extension Department and of the Auditor's report.

It is gratifying that the death rate from tuberculosis in this State continues to diminish. Last year there were 2,447 deaths, which is 131 less than during 1927. Based upon the present estimated population of the State, 2,938,000, this gives a death rate of 83.3 per 100,000, which compares favorably with the rate throughout the United States.

In our Extension Department we have continued to lay especial stress upon childhood tuberculosis. During the fiscal year we have studied 14,446 children, making a total of 39,494 studied in the past three years. The results have been very similar to those reported previously, and are summarized in detail in the statistical charts.

I especially wish to call attention to the results of the tuberculin tests in New Hanover County, where the first local sanatorium in the State was established about sixteen years ago, and which has been used very largely for segregating more advanced cases. In the majority of clinics held in other counties we made no especial selection of children to be studied, whereas in New Hanover County we selected the three groups most likely to give a positive reaction: the known contacts, those 10 per cent or more underweight, and any others with suspicious symptoms, whether underweight or not. In general, also, urban children give a higher percentage of positive reactors than rural children. In spite of these facts, the percentage of positive tuberculin reactors in the

New Hanover County children was only 11.72 per cent, as compared with 21.21 per cent for the total number studied throughout the State. We feel that this is a splendid testimonial to the value of the local sanatorium.

The National Tuberculosis Association thinks work with children is of such importance that they have selected childhood tuberculosis as the main objective of their early diagnosis campaign for this year.

The work among children has aroused a great deal of interest in all phases of tuberculosis. Increased interest in early diagnosis has been so marked that we have been overwhelmed with requests for clinics, both children's and adults', and for examinations in our out-patients' clinic here at the Sanatorium. This year we examined 2,176 outside cases in our Sanatorium clinic, as compared with 1,681 cases during last year. In many instances all the members of a family in which there was a child giving a positive tuberculin test have been examined, and in this way we have been able to find many previously undiscovered open cases of adult tuberculosis.

The Extension Department was granted an increase of \$10,000 for additional clinic work this year, making the total appropriation for this department \$30,000 per year for the present biennium. The appropriation for maintenance and for additions and betterments for the first year of the present biennium was \$151,500, and for maintenance for the second year of the biennium was \$150,500. The appropriation for permanent improvements for the present biennium was \$61,550, to be used for the following specific projects:

Steam and hot-water line.....	\$27,000
Supplementary water supply.....	4,840
Sewage plant.....	19,125
Two tenant houses.....	2,000
Emergency loan	8,585

The main building project completed during the year was our Ladies' Building, a fireproof structure, which accommodates 120 patients, and which was occupied in February. Our old wooden cottage for ambulatory men had become unsuitable for use and had to be torn down, so that our new building increases our capacity by only 100.

We are greatly pleased that there has been manifest recently a considerably increased interest in the establishment of county sanatoria. Guilford and Mecklenburg counties have each added modern units for children, each with a capacity of about thirty, and Catawba County has established a splendid fifty-bed sanatorium for children, and expects later to construct a unit for

adults. Wayne County commissioners recently voted to build a sanatorium for their tuberculous sufferers. A public-spirited citizen in Rockingham County has offered to build for the county a modern fireproof sanatorium, sufficiently large for the county's needs, provided the county will maintain the institution. It is planned to have a vote on the maintenance of the institution within the near future, and it is confidently expected that this vote will be favorable. There is also a great deal of interest in Anson and Stanly counties for a joint county sanatorium, and it is expected that a vote on the matter will be taken soon.

On April 1 the concrete dam which formed the lake from which we get our water supply was washed away. A temporary dam was built of sand-bags. We are indebted to the Engineering Department of the State Board of Health and to the Engineering Division of the Department of Conservation and Development for making arrangements to replace the dam. The dam has been rebuilt at a cost of \$2,000, obtained through the Budget Bureau from the emergency loan fund. After studying our water problem, the above-mentioned engineering departments recommended that a deep well be sunk near the present dam, instead of arranging for a supplementary surface water supply on Mile Creek, as provided for by the Legislature. The contract for this well has been let at a cost of \$7,900, and it is now being drilled. It is guaranteed to furnish 200,000 gallons per day, which is considered more than we will probably ever need. When this well is completed we will expect to use this source for our water entirely, thus obviating the necessity of filtering it.

During the past year many of our friends have made various donations and furnished entertainment for the benefit of our patients. The ministers of Aberdeen, Raeford, and Southern Pines have been most faithful and generous in furnishing us religious exercises. In behalf of the patients and the staff, I wish to express to them all our deep appreciation.

To Dr. S. M. Bittinger, the Assistant Superintendent, and to all the other members of the staff and to all other employes, I wish to express my deep appreciation for their loyalty and support.

I am keenly appreciative of the personal sacrifices which you and each member of the Board have made in serving the institution, and I wish to express to you my deep appreciation for the support and kind consideration which I have received at your hands.

Respectfully submitted,

P. P. MCCAIN, M.D.,
Superintendent and Director Extension Department.

SUMMARY OF YEAR'S WORK

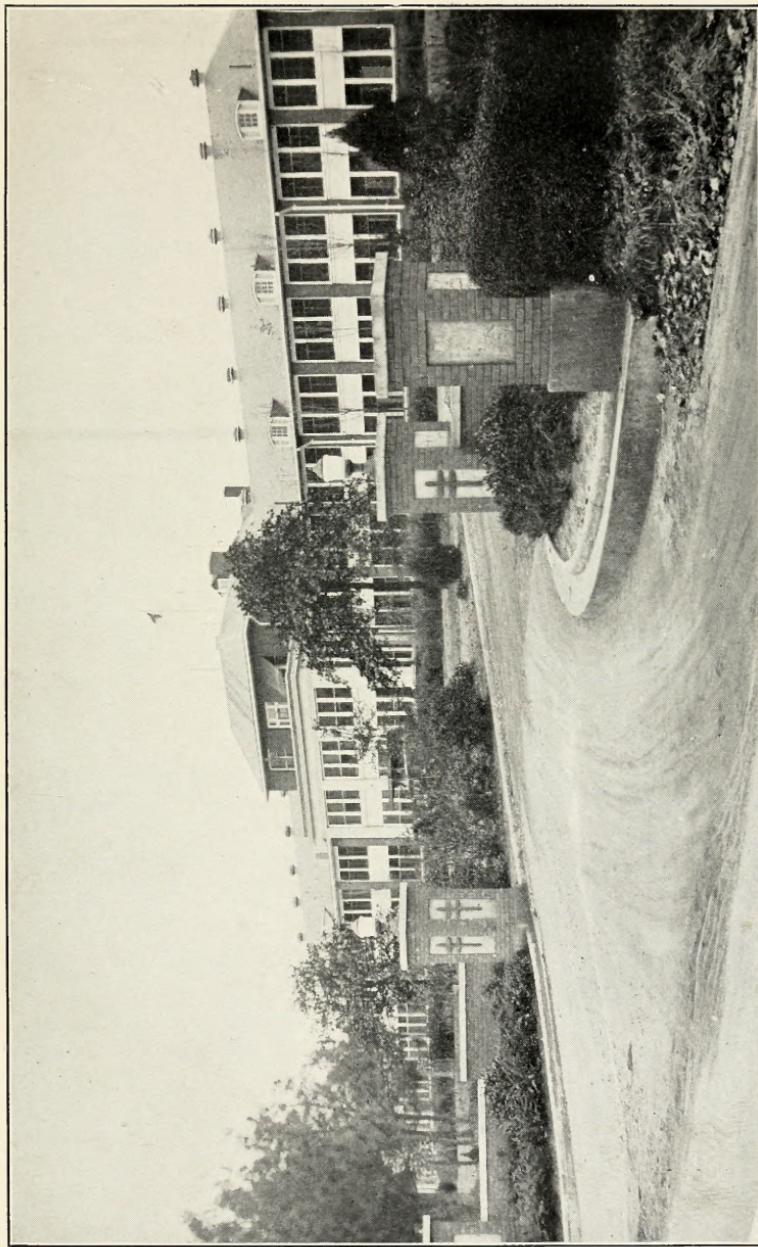
JULY 1, 1928—JUNE 30, 1929

EXTENSION DEPARTMENT

Letters and postals received.....	18,334
Individual letters written.....	13,001
Multigraphed and mimeographed forms prepared.....	48
Number of copies multigraphed and mimeographed forms.....	41,930
Multigraphed and mimeographed letters mailed.....	868
Articles written (approximate number of words):	
Press	6,350
Other publications	14,450
Sanatorium Sun	233,883
	—
Copies Sanatorium Sun mailed.....	254,683
Articles copied (approximate number of words).....	33,150
Patients' histories written.....	4,175
Approximate number of words in patients' histories.....	728
Envelopes addressed.....	1,092,000
Inclosures sent out.....	18,435
Blank cards mailed for reporting cases of tuberculosis.....	14,331
Number of cases reported:	
White	4,740
Colored	1,776
	—
889	2,214
Literature sent to reported cases.....	2,665
Other literature sent.....	36,485
Sputum cups distributed.....	209,460
Tuberculin sent physicians for von Pirquet test.....	1,489

REPORT OF P. P. McCAIN, M.D.

Days out of office.....	62
Addresses delivered	14
Number in audiences.....	1,650



MAIN ENTRANCE AND INFIRMARY

REPORT OF COUNTY TUBERCULOSIS CLINIC

ADULT

S. E. LEE, M.D., *Clinic Physician*

Number of addresses delivered.....	3
Total audiences.....	90
Number of positive cases.....	86
Number of probable cases.....	58
Number of doubtful cases.....	25
Number of negative cases.....	257
	— 426
Number of white examinations.....	370
Number of colored examinations.....	56
	—
Total number of examinations.....	426

P. A. YODER, M.D., *Clinic Physician*

Number of addresses delivered.....	10
Total audiences.....	405
Number of positive cases.....	147
Number of probable cases.....	46
Number of doubtful cases.....	68
Number of negative cases.....	295
	— 556
Number of white examinations.....	494
Number of colored examinations.....	62
	—
Total number of examinations.....	556

REPORT OF CHILDREN'S TUBERCULOSIS CLINICS

**SUMMARY OF RESULTS OF SCHOOL CHILDREN'S TUBERCULOSIS CLINICS CONDUCTED BY THE EXTENSION
DEPARTMENT OF THE NORTH CAROLINA SANATORIUM, IN COOPERATION WITH LOCAL
HEALTH AND SCHOOL AUTHORITIES, DURING SCHOOL SESSION 1928-29**

**RESULTS OF TUBERCULIN TEST
(Intracutaneous)**

	White	Colored	Total
Number given tuberculin test.....	11,688	2,758	14,446
Number negative reactors.....	9,440 (80.51%)	2,288 (82.96%)	11,728 (81.19%)
Number positive reactors.....	2,248 (19.49%)	470 (17.04%)	2,718 (18.81%)

RESULTS OF THE STUDY OF THE 2,718 POSITIVE TUBERCULIN REACTORS

	% of the 2,718 tuberculin reactors	% of the 2,718 tuberculin reactors	% of the 14,446 tested
Number having physical examinations and X-rays of chest (postero-anterior and oblique).....	212	2,391	7.80
Number diagnosed as having tuberculosis.....			1.47
White, 163 (1.39% of 11,688 tested; 7.25% of 2,758 reactors)			
Colored, 49 (1.78% of 2,758 tested; 10.43% of 470 reactors)			
Tracheobronchial.....	191		
Tracheobronchial and pulmonary (parenchymal).....	1		
Pulmonary (parenchymal).....	17		
Extrapulmonary.....	2		
Extrapulmonary and tracheobronchial.....	1		
Number reactors classified as suspicious.....	275		
Number reactors classified as not tuberculous.....	1,904		
Total number classified as not tuberculous (1,904 plus 11,728 negative tuberculin reactors)	13,632		
Number reactors examined, though for various reasons not X-rayed, the majority having mild reactions and presumably not tuberculous.....	206		
Number reactors for various reasons not examined.....	121		

SUMMARY OF RESULTS OF SCHOOL CHILDREN'S TUBERCULOSIS CLINICS CONDUCTED BY THE EXTENSION
 DEPARTMENT OF THE NORTH CAROLINA SANATORIUM, IN COOPERATION WITH LOCAL HEALTH
 AND SCHOOL AUTHORITIES, DURING SCHOOL SESSIONS 1926-27, 1927-28, AND 1928-29

THE NORTH CAROLINA SANATORIUM

RESULTS OF TUBERCULIN TEST
 (Intracutaneous)

	White	Colored	Total
Number given tuberculin test.....	34,238	5,256	39,494
Number negative reactors.....	27,014 (78.9%)	4,103 (78.06%)	31,117 (78.79%)
Number positive reactors.....	7,224 (21.1%)	1,153 (21.94%)	8,377 (21.21%)

RESULTS OF THE STUDY OF THE 8,377 POSITIVE TUBERCULIN REACTORS

	% of the tuberculin reactors	% of the tuberculin reactors
Number reactors having physical examinations and X-rays of chest (postero-anterior and oblique).....	643	7,098
Number reactors diagnosed as having tuberculosis.....	643	7,68
White, 509 (1.49% of 34,238 tested; 7.05% of 7,224 reactors)
Colored, 134 (2.55% of 5,256 tested; 11.62% of 1,153 reactors)
Tracheobronchial	579	7.63
Tracheobronchial and pulmonary (parenchymal)	5
Pulmonary (parenchymal)	40
Extrapulmonary	16
Extrapulmonary and tracheobronchial	3
Number reactors classified as suspicious.....	949	11.33
Number reactors classified as not tuberculous.....	5,506	65.72
Total number classified as not tuberculous (5,506 plus 31,117 negative tuberculin reactors)	36,623	92.73
Number reactors examined, though for various reasons not X-rayed, the majority having mild reactions and presumably not tuberculous.....	747	8.92
Number reactors for various reasons not examined.....	532	6.35

WHITE DIVISION

MEDICAL REPORT

1929

STATISTICAL

Number of patients to be reported on.....	334
Number not classified.....	6
Number not tuberculous.....	65
Number of patients in Sanatorium July 1, 1929.....	254
Total number of patients treated during the twelve months.....	659



A GROUP OF POSITIVE TUBERCULIN REACTORS FROM ONE OF THE ORPHANAGES, WHO CAME TO SANATORIUM FOR X-RAY FILMS OF THEIR CHESTS

THE NORTH CAROLINA SANATORIUM

17

33 PATIENTS WHO STAYED LESS THAN THIRTY DAYS

CONDITION ON ADMISSION	CONDITION ON DISCHARGE					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal..... 5	A 4			3	1	
	B 1				1	
	C 0					
Moderately Advanced..... 11	A 0					
	B 11			6	5	
	C 0					
Far Advanced.... 17	A 0					
	B 1			1		
	C 16				15	1
Total..... 33						

Total number of days, 564. Average stay, 17.09. Longest stay, 29. Shortest stay, 2.

Number gained weight, 20	Number lost weight, 7
Average gain.....	2.52 lbs.
Largest gain.....	7 lbs.
Smallest gain.....	.5 lb.
Stationary	4
Average loss.....	3.07 lbs.
Largest loss.....	6 lbs.
Smallest loss.....	.5 lb.
Not weighed.....	2

74 PATIENTS WHO STAYED FROM THIRTY TO EIGHTY-NINE DAYS

CONDITION ON ADMISSION	CONDITION ON DISCHARGE					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Tracheobronchial 6						
Extrapulmonary 1						
Minimal..... 19	A 18	3	1	1		1
	B 1	16		1		
	C 0					
Moderately Advanced..... 13	A 4		1	3		
	B 8			8		
	C 1			1		
	A 0					
Far Advanced.. 35	B 15			12	2	1
	C 20			3	14	3
Total..... 74						

Total number of days, 4,426. Average stay, 59.81. Longest stay, 89. Shortest stay, 30.

Number gained weight, 51	Number lost weight, 12
Average gain.....	8.01 lbs.
Largest gain.....	22.5 lbs.
Smallest gain.....	.5 lb.
Stationary	6
Average loss.....	5.10 lbs.
Largest loss.....	15 lbs.
Smallest loss.....	.5 lb.
Not weighed.....	5

227 PATIENTS WHO STAYED NINETY DAYS OR OVER

CONDITION ON ADMISSION	CONDITION ON DISCHARGE					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Tracheobronchial 6		6				
Minimal 30	A 15 B 15 C 0	12 12	2 2	1 1		
Moderately	A 20		15	5		
Advanced..... 93	B 72 C 1 A 0		47 1	21 3		1
Far Advanced... 98	B 76 C 22		14	44 8	14 12	4 2
Total.....227						

Total number of days, 58,084. Average stay, 255.86. Longest stay, 1,080. Shortest stay, 90.

Number gained weight, 178	Number lost weight, 42
Average gain.....	13.55 lbs.
Largest gain.....	46.5 lbs.
Smallest gain.....	.5 lb.
Stationary	3
Average loss.....	10.36 lbs.
Largest loss.....	30.5 lbs.
Smallest loss.....	.5 lb.
Not weighed.....	4

HISTORY OF HEMORRHAGE

Negative.....	199
Positive.....	106
{ Previous only.....	106
{ Previous and during residence.....	20
{ During residence only.....	9

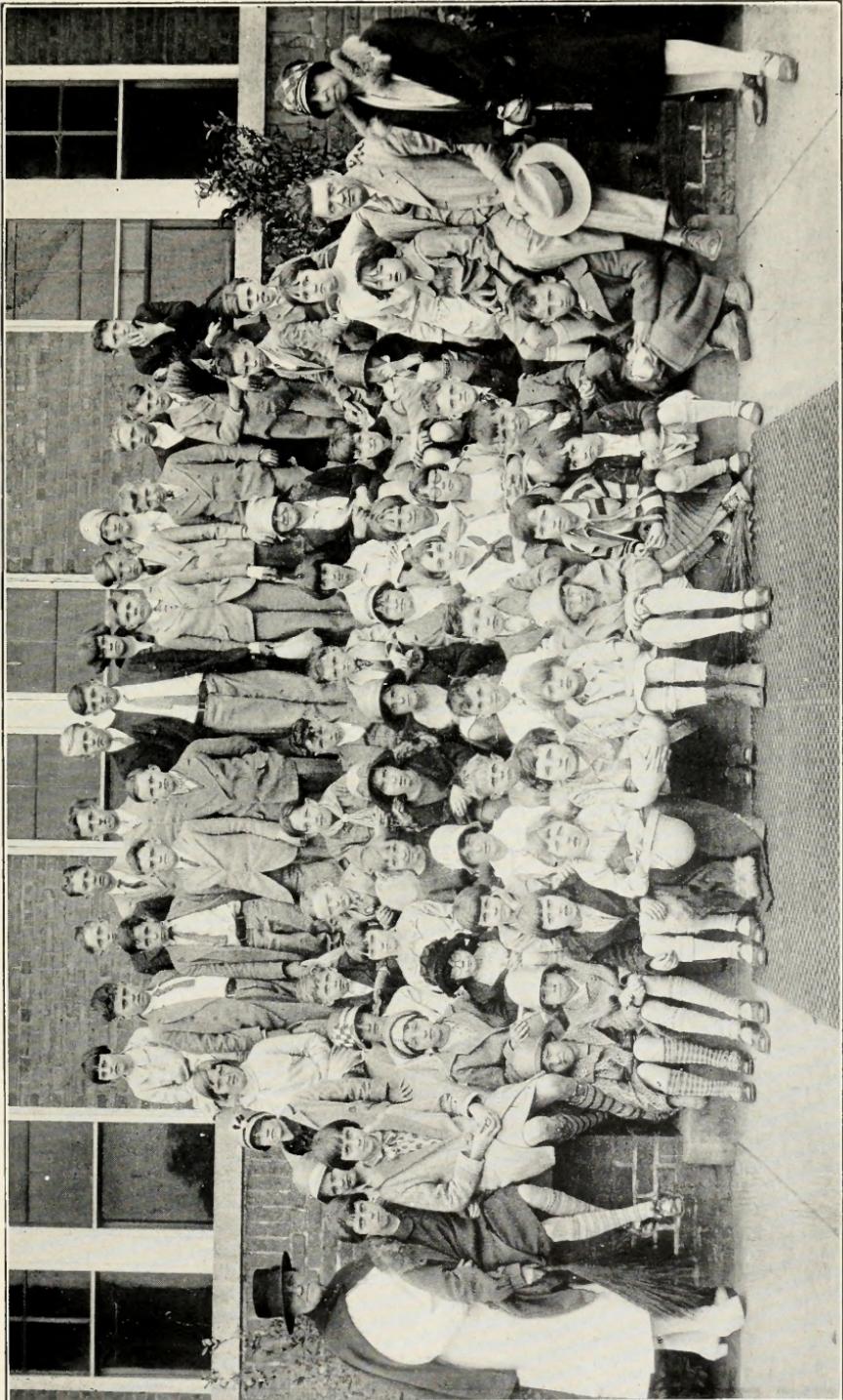
RESULTS OF SPUTUM EXAMINATION

Negative or no sputum.....	162
Positive.....	143
{ On admission.....	143
{ During residence.....	106
{ On discharge.....	65

SEX, AGE, AND CIVIL CONDITION

SEX	AGE						CIVIL CONDITION			
	10-19	20-29	30-39	40-49	50-59	60-69	Single	Married	Widowed	Divorced
Male.....162										
Female.....172	39	148	69	54	15	9	124	185	23	2
Total.....334										

Nationality: Americans, 334.



A GROUP OF POSITIVE TUBERCULIN REACTORS FROM ONE OF OUR SCHOOL CLINICS WHO CAME TO SANATORIUM FOR X-RAY PICTURES OF THEIR CHESTS

TUBERCULOUS COMPLICATIONS

Adenitis (tracheobronchial)	2	Nephritis	1
Adenitis (cervical)	11	Otitis media	2
Alveolar abscess	1	Peritonitis	2
Anal fistula	10	Pleurisy with effusion.....	7
Enteritis	20	Pneumonia.....	2
Epididymitis	1	Pyo-pneumothorax (spontaneous)	3
General tuberculosis	1	Pyo-pneumothorax (artificial)1
Ischio-rectal abscess	1	Tuberculosis of tongue.....	1
Laryngitis	30		

NON-TUBERCULOUS COMPLICATIONS

Abscessed teeth.....	5	Hemorrhoids.....	4
Acne.....	3	Hookworm disease.....	30
Anal fissure.....	2	Hypertension.....	2
Abdominal adhesions (post-operative).....	1	Hernia (inguinal).....	2
Ankylosis.....	1	Hypertrophied tonsils.....	4
Alopecia.....	1	Laceration of cervix.....	2
Appendicitis (chronic).....	2	Laceration of perineum.....	4
Arthritis.....	1	Laryngitis.....	1
Asthma (bronchial).....	3	Leudoderma.....	1
Atrophy of testicle.....	2	Lues.....	4
Blepharitis.....	2	Mesenteric glands.....	1
Blindness (right).....	1	Mitral regurgitation.....	3
Bronchiectasis.....	3	Nephritis.....	6
Bronchitis.....	4	Osteomyelitis (mandible).....	1
Carcinoma (abdominal).....	1	Otitis media (chronic).....	8
Carious teeth.....	32	Pharyngitis.....	1
Cholecystitis.....	1	Pelvic cellulitis.....	1
Conjunctivitis.....	1	Perforated nasal septum.....	1
Deafness (complete).....	1	Pregnancy.....	4
Deafness (partial).....	1	Pterygium (right eye).....	1
Dysmenorrhea.....	2	Pyelitis.....	1
Diabetes mellitus.....	2	Pyorrhea.....	65
Eczema.....	1	Retroflexion of uterus.....	1
Endocervicitis.....	2	Retroversion of uterus.....	13
Erosion of cervix.....	3	Rhinitis (atrophic).....	2
Fracture of left humerus (old)....	1	Rhinitis (chronic).....	8
Gastric ulcer.....	1	Sinusitis.....	7
Genu varum.....	1	Strabismus.....	3
Gingivitis.....	1	Tenia versicola.....	1
Goiter (adolescent)	1	Tonsillitis.....	38
Goiter (simple)	1	Ulcer of gums.....	1
Hay fever.....	2	Varicose veins.....	8

OCCUPATIONS

Accountant.....	1	Blacksmith.....	1
Advertising.....	1	Bookkeepers.....	7
Auto dealer.....	1	Box maker.....	1
Auto painter.....	1	Butcher.....	1
Barbers.....	4	Cabinet maker.....	1

Cashier in bank.....	1	Linesmen.....	2
Chemist.....	1	Machinists.....	2
Civil engineer.....	1	Master mechanic.....	1
Clerks.....	12	Mail carrier.....	1
Construction work.....	1	Mechanics.....	3
Contractor.....	1	Merchants.....	12
Cotton buyer.....	1	Mill work.....	23
Cotton classer.....	1	Motorman.....	1
Dairymen.....	2	Minister.....	1
Dentist.....	1	Nurses.....	4
Dressmakers.....	2	Nurses (registered).....	4
Drug clerk.....	1	Painter.....	1
Druggists.....	2	Photographer.....	1
Electricians.....	2	Policeman.....	1
Farmers.....	34	Printer.....	1
Filling station work.....	1	Railroad agent.....	1
Fisherman.....	1	Railroad brakeman.....	1
Foremen.....	4	Railroad machinist helper.....	1
Furniture factory.....	1	Saleslady.....	1
Grocerymen.....	1	Salesmen.....	6
Hotel clerk.....	1	Shipping clerk.....	1
Housekeeper in hotel.....	1	Secretary.....	1
Housewives.....	102	Stenographers.....	4
Hosiery mill.....	4	Students.....	26
Ice man, retail.....	1	Teachers.....	7
Insurance and printing.....	1	Telegraph operator.....	1
Interior decorator.....	1	Telephone operator.....	1
Jewelers.....	2	Textiles.....	6
Journalist.....	1	Tobacco.....	4
Laborers.....	2	Truck driver.....	1
Lawyer.....	1		

COUNTIES FROM WHICH THE 334 PATIENTS CAME

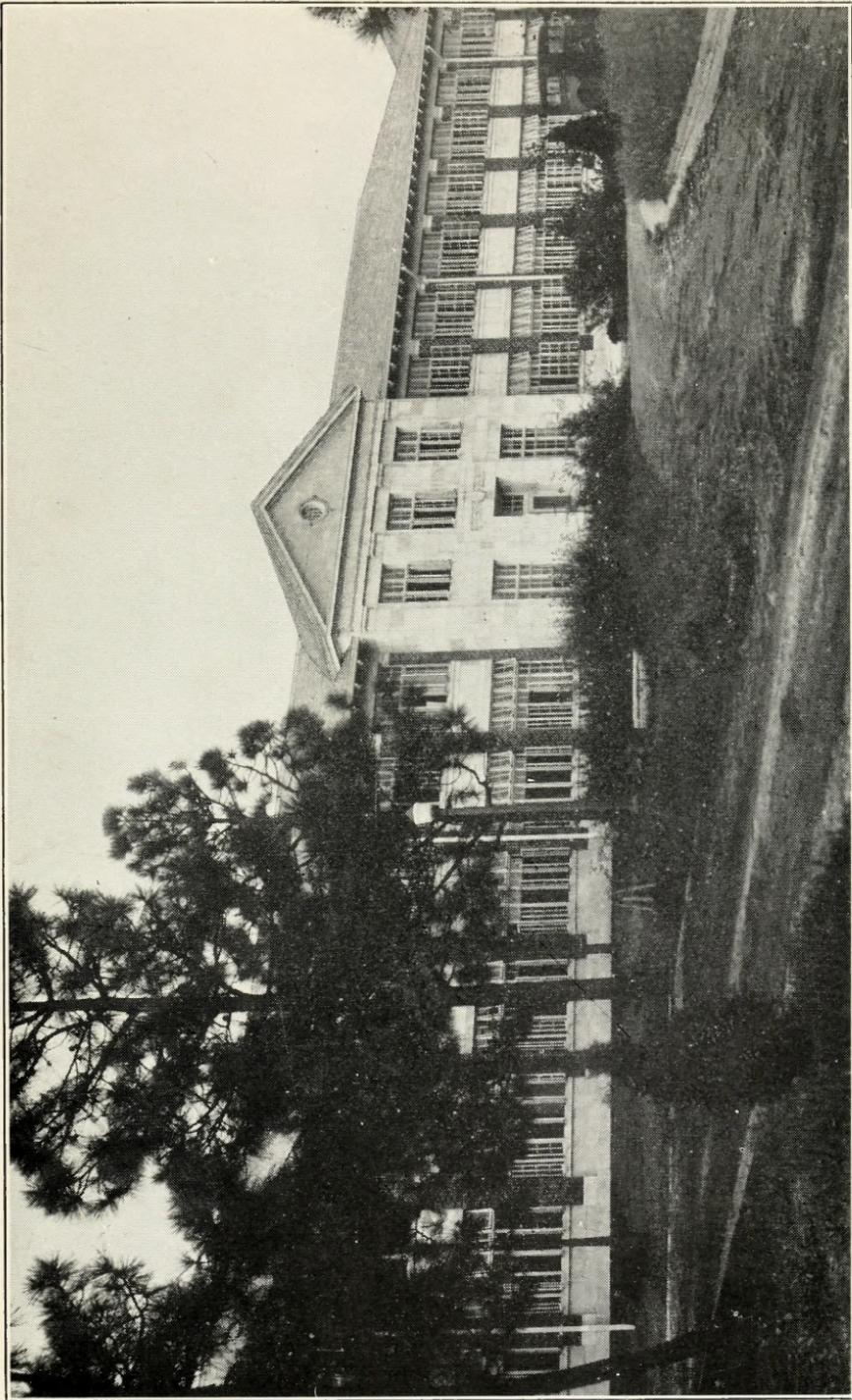
Alamance.....	15	Cumberland.....	2
Alleghany.....	1	Currituck.....	3
Anson.....	2	Davidson.....	8
Ashe.....	2	Davie.....	2
Avery.....	1	Duplin.....	2
Beaufort.....	1	Durham.....	18
Bertie.....	6	Edgecombe.....	7
Bladen.....	1	Forsyth.....	13
Brunswick.....	1	Franklin.....	2
Buncombe.....	4	Gaston.....	8
Burke.....	1	Gates.....	1
Cabarrus.....	9	Granville.....	1
Caldwell.....	2	Guilford.....	3
Camden.....	2	Halifax.....	9
Carteret.....	3	Harnett.....	5
Caswell.....	3	Henderson.....	1
Catawba.....	9	Hertford.....	1
Chowan.....	1	Hoke.....	1
Cleveland.....	1	Hyde.....	1
Columbus.....	2	Iredell.....	4
Craven.....	4	Johnston.....	17

Lee.....	2	Robeson.....	10
Lenoir.....	2	Rockingham.....	8
Lincoln.....	1	Rowan.....	6
Martin.....	1	Rutherford.....	3
McDowell.....	1	Sampson.....	5
Mecklenburg.....	3	Scotland.....	3
Moore.....	2	Stanly.....	4
Nash.....	1	Stokes.....	1
New Hanover.....	8	Surry.....	5
Northhampton.....	2	Transylvania.....	1
Onslow.....	1	Vance.....	1
Orange.....	3	Wake.....	24
Pamlico.....	1	Warren.....	1
Pasquotank.....	1	Wayne.....	11
Perquimans.....	3	Wilkes.....	1
Person.....	4	Wilson.....	9
Pitt.....	14	Yancey.....	2
Randolph.....	2	Yadkin.....	2
Richmond.....	5		

TOWNS FROM WHICH THE 334 PATIENTS CAME

Aberdeen.....	1	Cycle.....	1
Advance.....	1	Draper.....	3
Albemarle.....	3	Dunn.....	4
Apex.....	1	Durham.....	19
Asheboro.....	1	Elizabeth City.....	1
Asheville.....	3	Elkin.....	1
Atlantic.....	2	Ellenboro.....	1
Autreyville.....	1	Enfield.....	1
Ayden.....	2	Erlander.....	1
Badin.....	2	Falkland.....	1
Belcross.....	2	Farmville.....	4
Belmont.....	1	Forest City.....	1
Benson.....	2	Fayetteville.....	2
Bessemer City.....	1	Four Oaks.....	1
Blanche.....	1	Francisco.....	1
Bolton.....	1	Fuquay Springs.....	1
Bowden.....	1	Galax.....	1
Brevard.....	1	Garner.....	1
Broadway.....	1	Gastonia.....	6
Burlington.....	10	Gibson.....	1
Burnsville.....	1	Goldsboro.....	9
Cary.....	1	Goshen.....	1
Chapel Hill.....	2	Grandy.....	1
Charlotte.....	2	Greensboro.....	2
China Grove.....	1	Greenville.....	4
Clarkton.....	1	Grimesland.....	1
Clayton.....	4	Hamlet.....	1
Concord.....	3	Haw River.....	1
Conway.....	1	Hendersonville.....	1
Cooleemee.....	1	Hertford.....	2
Cornelius.....	1	Hickory.....	8
Cranberry.....	1	High Point.....	1

Hillsboro.....	2	Rennert.....	1
Jacksonville.....	1	Roanoke Rapids.....	1
Jonesville.....	1	Rockingham.....	4
Kannapolis.....	4	Rockwell.....	1
Kenly.....	1	Rocky Mount.....	2
LaGrange.....	2	Roseboro.....	3
Lasker.....	1	Rose Hill.....	1
Laurinburg.....	2	Rosemary.....	3
Leaksville.....	2	Roxboro.....	2
Lenoir.....	3	St. Pauls.....	2
Lexington.....	4	Salemburg.....	1
Lillington.....	1	Salisbury.....	3
Lincolnton.....	1	Saxapahaw.....	1
Louisburg.....	1	Scotland Neck.....	4
Low Gap.....	1	Selma.....	3
Lucama.....	1	Shelby.....	1
Lumberton.....	2	Shiloh.....	1
Macclesfield.....	1	Smithfield.....	1
Marion.....	1	Spencer.....	1
Maxton.....	1	Spindale.....	1
Mebane.....	3	Southern Pines.....	1
Merry Hill.....	3	Statesville.....	1
Micaville.....	1	Stokes.....	1
Micro.....	2	Sturgills.....	1
Midland.....	1	Supply.....	1
Mooresville.....	2	Swan Quarter.....	1
Morehead City.....	1	Tarboro.....	2
Morganton.....	1	Thomasville.....	3
Mount Airy.....	1	Thurmond.....	1
Mount Olive.....	3	Todd.....	1
Mount Pleasant.....	1	Trotville.....	1
Murfreesboro.....	1	Vanceboro.....	1
Nashville.....	1	Vandemere.....	1
New Bern.....	3	Vineland.....	1
Norlina.....	1	Wadesboro.....	2
Oxford.....	1	Washington.....	2
Oteen.....	1	Williamston.....	1
Parkton.....	2	Willow Springs.....	1
Pilot Mountain.....	1	Wilmington.....	8
Pine Tops.....	1	Wilson.....	8
Princeton.....	3	Windsor.....	3
Prospect Hill.....	2	Winfall.....	1
Raeford.....	1	Winston-Salem.....	14
Raleigh.....	19	Winterville.....	1
Randleman.....	1	Winton.....	1
Red Springs.....	2	Woodleigh.....	1
Reidsville.....	3	Youngsville.....	1



NEW LADIES' BUILDING

**OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS
AND CONSULTATION**

(Adults and Children)

July	198	January	124
August.....	244	February	147
September	162	March	165
October	141	April	178
November	124	May	217
December.....	97	June.....	161

CLASSIFICATION

Reexamination.....	373
Positive diagnosis	425
Negative diagnosis	1,160
	1,958

SUMMARY FOR MEDICAL REPORT

JULY 1, 1928—JUNE 30, 1929

Patients admitted:

Minimal.....	59
Moderately advanced	173
Far advanced	170
Not classified	19
Not tuberculous	47
Tracheobronchial	9
Etrapulmonary	0
Total.....	477

Patients discharged:

Apparently arrested	49
Quiescent.....	82
Improved.....	123
Unimproved.....	68
Died.....	13
Not classified	6
Not tuberculous	*64
Etrapulmonary	1
Total.....	406

* One patient not tuberculous, died while here.

REPORT OF X-RAY LABORATORY

Stereoroentgenograms of chest (Sanatorium patients).....	764
Stereoroentgenograms of chest (clinic patients).....	1,084
Double roentgenograms of chest (children's clinics).....	3,329
Roentgenograms, other parts of body.....	274
Total.....	5,451
X-ray treatments	317

LABORATORY REPORT

Sputanalyses:

Micros.....	2,894
Chem.....	944
Total.....	3,838

Urinalyses:

Micros.....	1,034
Chem.....	1,095
Total.....	2,129

Blood:

W. B. C.	778
R. B. C.	702
Differential count	767
Hemoglobin.....	702
Color index	700
Malaria	18
Wassermann.....	324
Kahn tests	322
Urea.....	30
Culture.....	9
Sugar.....	6
Widal.....	5
Coagulation.....	15
Total.....	4,378

Feces.....	746
Gastric analysis	51
Phthalein.....	39
Bacteriological	93
Basal metabolic rate	10
Abdominal fluid	1
Pleural fluid	33
Spinal fluid	5
Total.....	978

Water:

Bacterial count	219
For coli	219

Total.....	438
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Milk:

Bacterial count	46
For coli	46
Total.....	92

Total examinations and tests.....	15,200
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ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Fayetteville.....	9
Baptist Orphanage, Thomasville	1
Board of County Commissioners, Anson	1
Board of County Commissioners, Avery	3
Board of County Commissioners, Bladen	2
Board of County Commissioners, Brunswick	5
Board of County Commissioners, Buncombe.....	1
Board of County Commissioners, Catawba	6
Board of County Commissioners, Caswell.....	1
Board of County Commissioners, Chatham	1
Board of County Commissioners, Currituck	7
Board of County Commissioners, Forsyth.....	10
Board of County Commissioners, Gaston.....	13
Board of County Commissioners, Gates.....	1
Board of County Commissioners, Harnett	1
Board of County Commissioners, Hertford	1
Board of County Commissioners, Hoke	2
Board of County Commissioners, Northampton.....	1
Board of County Commissioners, Pasquotank.....	2
Board of County Commissioners, Pitt	2
Board of County Commissioners, Richmond.....	9
Board of County Commissioners, Rockingham	2
Board of County Commissioners, Rowan.....	3
Board of County Commissioners, Rutherford	2
Board of County Commissioners, Stokes	3
Board of County Commissioners, Union.....	3
Charity Organization Society, Goldsboro.....	12
City of Winston-Salem	15
Mutual Aid Association, Draper Mills, Draper.....	3
Nazareth Orphanage, Rockwell	1
Oxford Orphanage, Oxford	1
Public Welfare, Durham	17
Rosemary Manufacturing Company, Rosemary.....	2
Standard Oil Company, Kinston.....	1
Tuberculosis Seal Sale Committee, coöperating with the Woman's Club, Raleigh	7
United Daughters of the Confederacy, Free Bed Fund.....	2

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and magazines:

Young People's Department, Tabernacle Baptist Sunday School, Raleigh, N. C.

Mrs. J. M. Pulley, LaGrange, N. C.

Miss Elizabeth Putnam, Kinston, N. C.

Mrs. F. C. Brush, chairman, Cheerful Letter Committee, All Souls Church, Montclair, N. J.

Miss Maude McCulloch, Waynesville, N. C.

Miss Mary Lou Smith, Erwin, N. C.

Mrs. Elizabeth Gregory, Southern Pines, N. C.

Candies, cakes, nuts, fruits, flowers, etc.:

Miss Mary E. Richardson, Southern Pines, N. C.

Miss Lamitta Wimberly, Aberdeen, N. C.

Miss Mary Robinson, Raleigh, N. C.

Miss Vivian P. Betts, St. Anne's Auxiliary of the Church of the Good Shepherd, Raleigh, N. C.

Mrs. Robert Stewart, Pinehurst, N. C.

Mrs. T. B. Upchurch, Raeford, N. C.

Miscellaneous gifts:

Miss Janette H. Baxter, Saratoga, California.

Seeman Brothers, Inc., Hudson and N. Moore Sts., New York City.

Miss Louise Caison, president, Junior Red Cross, Roseboro, N. C.

The Seventh Grade, Aycock School, Route No. 1, Henderson, N. C.

Miss Bertie Rivers, Aberdeen, N. C.

Mrs. S. P. Hopkins, Pinehurst, N. C.

Mrs. J. E. Hoyle, Raeford, N. C.

Mrs. W. T. Covington, Raeford, N. C.

Mrs. H. A. Cameron, Raeford, N. C.

Mrs. J. R. Page, Aberdeen, N. C.

Mrs. J. B. Rountree, Southern Pines, N. C.

Miss Mary M. Hoke, Raleigh, N. C.

Tommie Rucker and other children of the Sixth A Grade of the Harvey School, Kinston, N. C.

Victrola and records:

Mr. John L. Given, Jr., Manchester, Vermont.

Mrs. O. H. Longest, Greensboro, N. C.



NURSES' HOME

CHILDREN'S DIVISION

MEDICAL REPORT

1929

STATISTICAL

Number of patients to be reported on.....	74
Number not classified	0
Number not tuberculous	5
Number of patients in Sanatorium July 1, 1929.....	52
Total number of patients treated during the 12 months.....	131

SUMMARY MEDICAL REPORT

Patients admitted:

Parenchymal tuberculosis	15
Minimal.....	9
Moderately advanced	6
Far advanced	0
Tracheobronchial tuberculosis	61
Not tuberculous	5
Not classified	0
Total.....	81

Patients discharged:

Arrested.....	0
Apparently arrested	63
Quiescent.....	4
Improved.....	7
Unimproved.....	0
Died.....	0
Not classified	0
Not tuberculous	5
Total.....	74

Hospital days	22,793
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SEX AND AGE

Sex:

Male.....	30
Female.....	44

Age:

4- 9	34
10-15	40
Total.....	74

TUBERCULOUS COMPLICATIONS

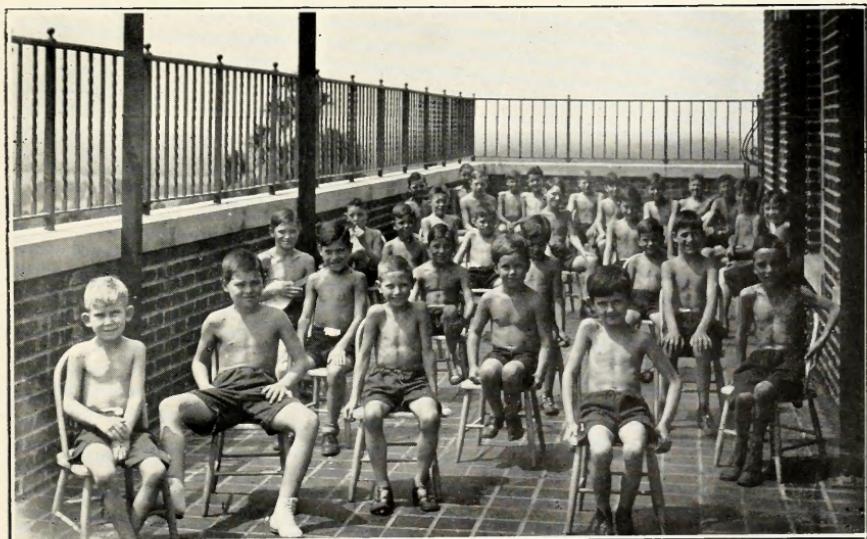
Cervical adenitis	1
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NON-TUBERCULOUS COMPLICATIONS

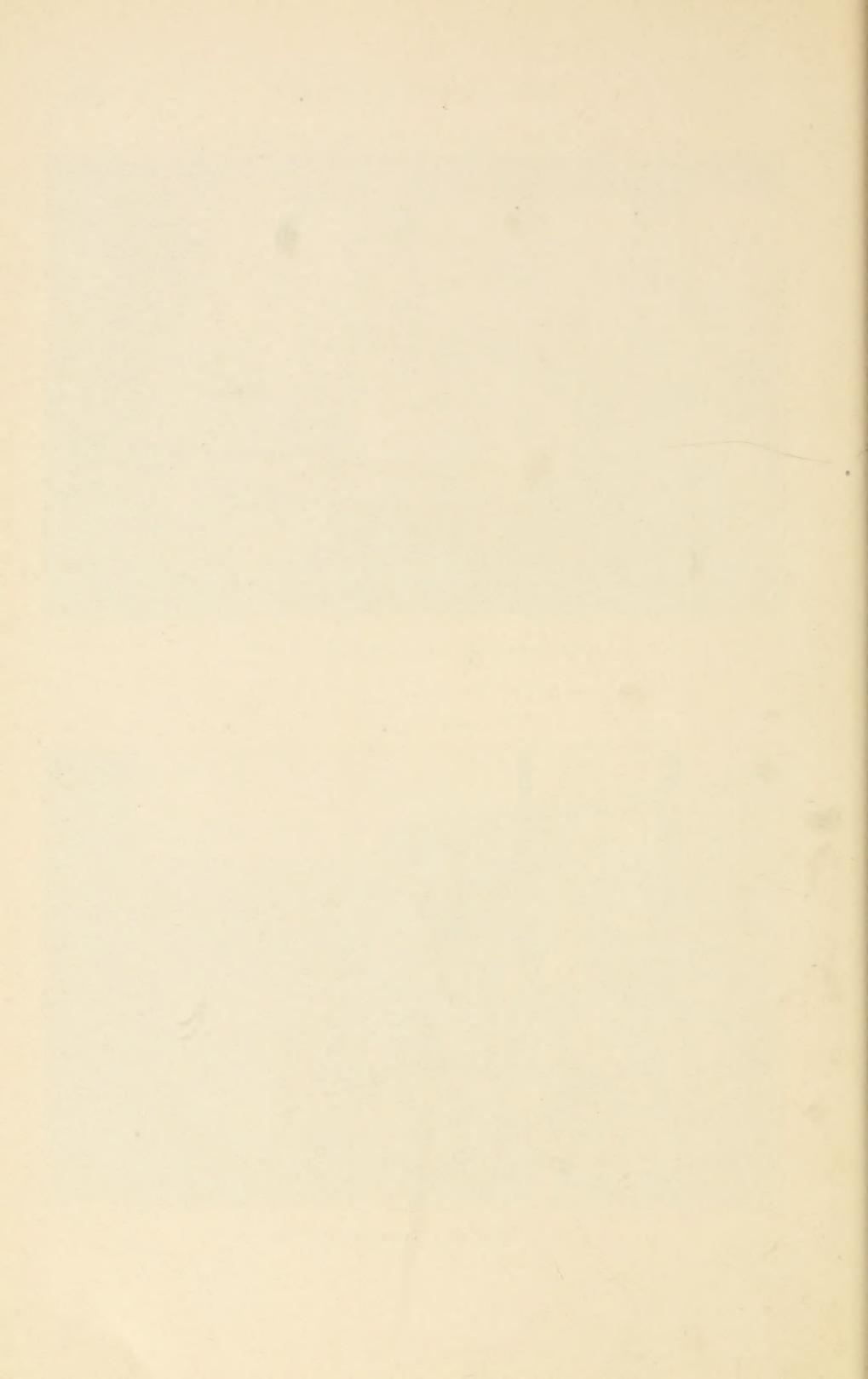
Abscessed tooth.....	1	Enuresis.....	1
Ascaris lumbricoides.....	1	Hookworm disease.....	9
Asthma (bronchial).....	1	Lues (congenital).....	1
Bronchiectasis.....	1	Mitral regurgitation.....	1
Carious teeth.....	6	Otitis media.....	5
Deafness (partial).....	1	Phlyctenular conjunctivitis.....	1
Diseased adenoids.....	1	Ringworm.....	1
Diseased tonsils.....	23	Scarlet fever.....	4
Endocarditis.....	1	Strabismus.....	1



ONE OF THE SCHOOLROOMS, CHILDREN'S BUILDING



BOYS' SUN PORCH, CHILDREN'S BUILDING



COLORED DIVISION
MEDICAL REPORT
1929

STATISTICAL

Number of patients to be reported on.....	103
Number not classified.....	2
Number not tuberculous.....	7
Number of patients in Sanatorium July 1, 1929.....	57
<hr/>	
Total number of patients treated during the twelve months.....	169

15 PATIENTS WHO STAYED LESS THAN THIRTY DAYS

CONDITION ON ADMISSION	CONDITION ON DISCHARGE					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal.....	0 { A 0 B 0 C 0					
Moderately Advanced.....	2 { A 0 B 2 C 0			1		1
Far Advanced....	13 { A 0 B 3 C 10			2	6	2
Total.....	15					

Total number of days, 269. Average stay, 17.93. Longest stay, 29. Shortest stay, 4.

Number gained weight, 3	Number lost weight, 5
Average gain.....	3.08 lbs.
Largest gain.....	3½ lbs.
Smallest gain.....	2¾ lbs.
Stationary.....	3
Average loss	6.90 lbs.
Largest loss.....	16½ lbs.
Smallest loss.....	½ lb.
Not weighed.....	4

23 PATIENTS WHO STAYED 39 TO 89 DAYS

CONDITION ON ADMISSION	CONDITION ON DISCHARGE					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal.....	5 { A 4 B 1 C 0	1		3		
Moderately Advanced	7 { A 1 B 6 C 0			1	2	
Far Advanced....	11 { A 0 B 2 C 9			2	7	2
Total.....	23					

Total number of days, 1,488. Average stay, 64.69. Longest stay, 98. Shortest stay, 30.

Number gained weight, 15	Number lost weight, 7
Average gain.....	7.51 lbs.
Largest gain.....	18 lbs.
Smallest gain.....	½ lb.
Stationary.....	0
Average loss.....	7.32 lbs.
Largest loss.....	14¾ lbs.
Smallest loss.....	1 lb.
Not weighed.....	1

65 PATIENTS WHO STAYED NINETY DAYS OR OVER

CONDITION ON ADMISSION	CONDITION ON DISCHARGE					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Tracheo-bronchial T.B. 4		4				
Minimal..... 8	A 7 B 1 C 0	2	2	3		1
Moderately Advanced..... 19	A 1 B 18 C 0			1 8	1	
Far Advanced.... 34	A 1 B 18 C 15	1 1	4	3 4	7 7	3 4
Total..... 65						

Total number of days, 15,380. Average stay, 236.60. Longest stay, 717. Shortest stay, 91.

Number gained weight, 47	Number lost weight, 13
Average gain.....	18.04 lbs.
Largest gain.....	52 lbs.
Smallest gain.....	½ lb.
Stationary.....	2
Average loss.....	11.96 lbs.
Largest loss.....	27½ lbs.
Smallest loss.....	1 lb.
Not weighed.....	3

HISTORY OF HEMORRHAGE

Negative.....		45
Positive.....	{ Previous only.....	5
	{ Previous and during residence.....	36
	During residence only.....	17

RESULTS OF SPUTUM EXAMINATION

Negative or no sputum.....		39
Positive.....	{ On admission.....	55
	{ During residence.....	34
	On discharge.....	22

SEX, AGE, AND CIVIL CONDITION

SEX	AGE*					CIVIL CONDITION			
	9-19	20-29	30-39	40-49	50-59	Single	Married	Widowed	Divorced
Male 37									
Female..... 66	25	47	19	9	2	54	39	9	1
Total..... 103									

* One patient's age not given.

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	4	Ischiorectal abscess	1
Adenitis (tracheobronchial)	2	Laryngitis	9
Anal fistula	4	Osteitis (rt. ankle)	1
Bronchopneumonia.....	1	Peritonitis	1
Empyeme.....	1	Pleurisy with effusion	4
Enteritis	6	Pyo-pneumothorax	1
Hydropneumothorax.....	2		

NON-TUBERCULOUS COMPLICATIONS

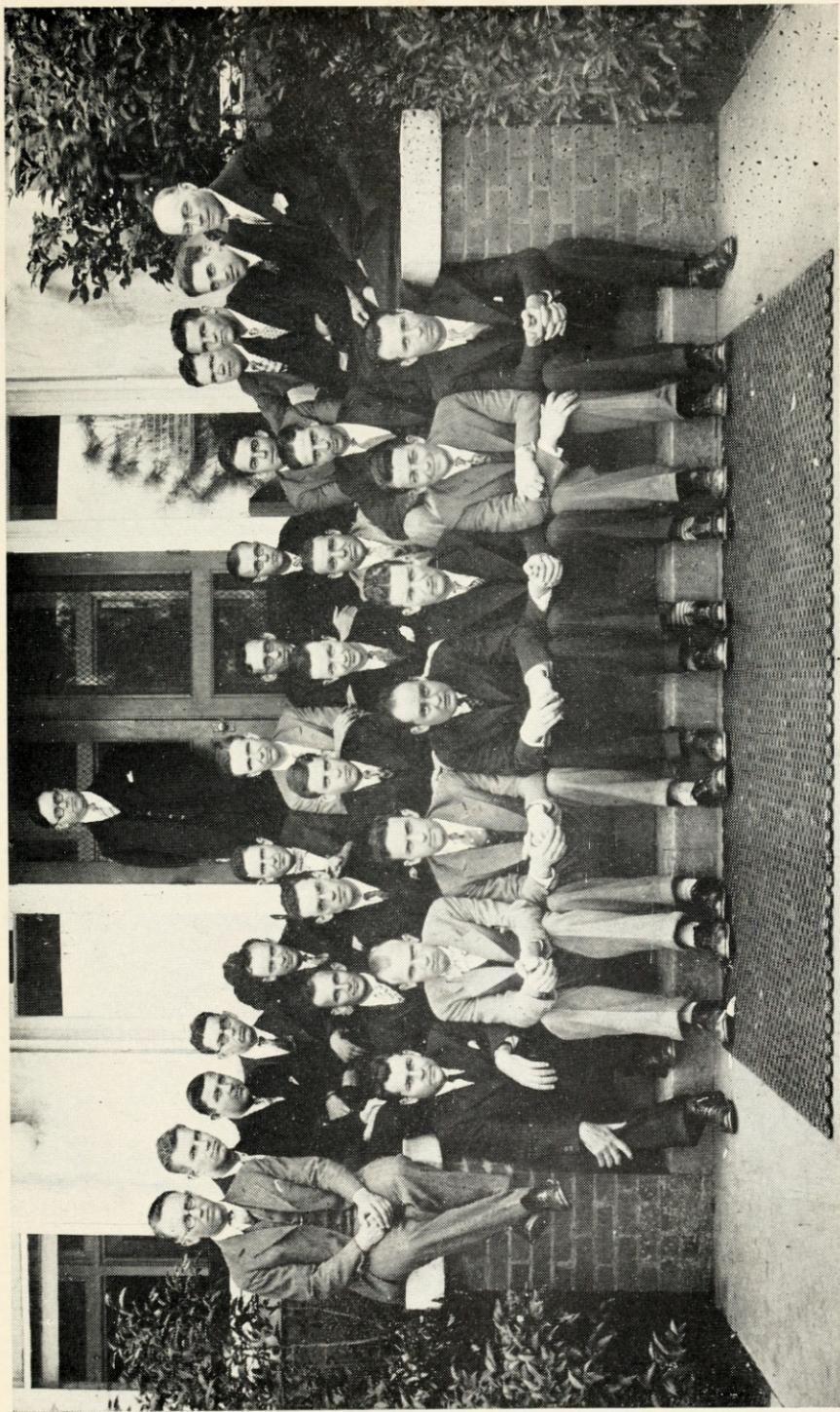
Amenorrhea.....	1	Mitral stenosis	1
Auricular fibrillation	1	Myocarditis	1
Bronchiectasis.....	1	Otitis media	1
Carious teeth	17	Pellagra.....	1
Cystitis	1	Pharyngitis (chronic)	3
Cystocele.....	3	Pulmonary lues	1
Diseased tonsils	24	Pyorrhea	29
Eroded cervix (uteri)	4	Rectocele.....	3
Goiter (simple)	1	Retroversion of uterus	4
Gororrhea	3	Subluxation sacro-iliac joint	1
Hemorrhoids	5	Sinusitis (acute)	1
Hernia (inguinal)	1	Strabismus.....	1
Hookworm disease	4	Stricture of rectum	1
Laceration of cervix	4	Undescended testicle (left).....	1
Laceration of perineum	3	Uterine fibroid	1
Lues.....	15	Urethral stricture	1
Mitral regurgitation	5	Vaginitis (chronic)	2

OCCUPATIONS

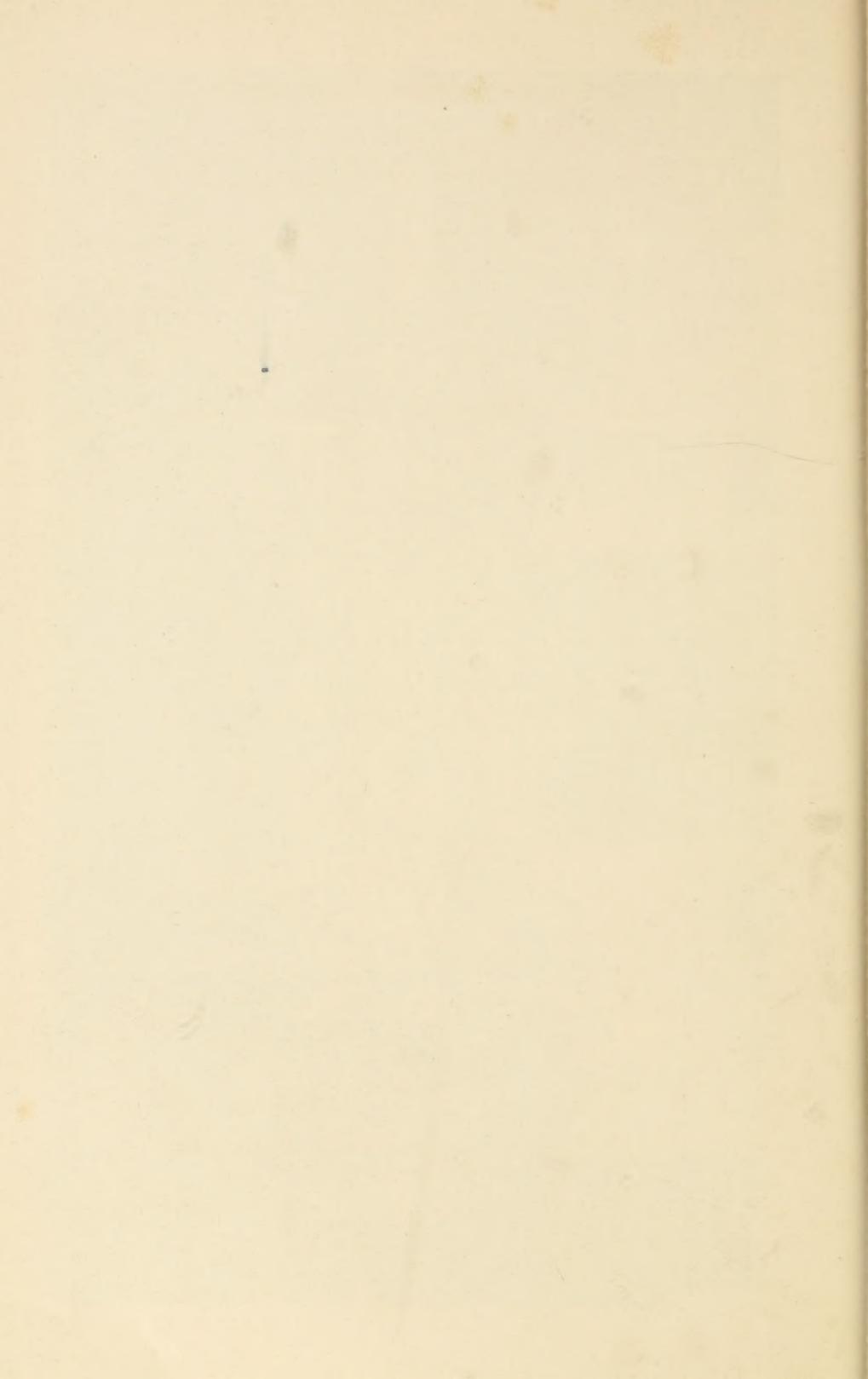
Barber.....	1	Laborers	4
Chauffeurs.....	2	Lathe worker	1
Cleaning and pressing	1	Laundry work	2
Cooks.....	7	Mechanic	1
Drug clerk	1	Maids.....	2
Elevator.....	1	Music teacher	1
Embalming assistant	1	Preacher	1
Farming.....	21	Seamstresses.....	2
Factory labor	1	Shoemaker.....	1
Garage.....	1	Students	12
Hotel porter and truck driver.....	1	Teachers	4
Housework	28	Tobacco factory	2
Janitors	2	Waiter.....	1

COUNTIES FROM WHICH THE 103 PATIENTS CAME

Anson	6	Durham	7
Bladen.....	1	Edgecombe	7
Catawba.....	1	Forsyth	5
Cleveland.....	1	Gaston.....	4
Craven.....	2	Guilford.....	1
Cumberland.....	7	Halifax.....	3
Duplin	1	Harnett	2



MEDICAL STUDENTS AT SANATORIUM FOR SPECIAL INSTRUCTION IN PHYSICAL EXAMINATION OF THE CHEST



Hoke	3	Richmond	1
Iredell	1	Robeson.....	4
Lee.....	2	Rockingham	1
Lenoir	2	Sampson	2
Moore.....	5	Scotland.....	4
Nash.....	1	Stanly	1
Northampton.....	1	Union.....	2
Onslow.....	1	Wake.....	5
Orange.....	1	Warren	1
Pasquotank.....	2	Wayne	4
Perquimans.....	1	Wilson.....	1
Pitt	8	Yadkin.....	1

TOWNS FROM WHICH THE 103 PATIENTS CAME

Aberdeen	1	Lemon Springs	1
Albemarle	1	Lillington	1
Barnesville	1	Lowell.....	1
Chapel Hill.....	1	Lucama	1
Clinton.....	1	Lumberton	1
Cramerton.....	1	Macon	1
Durham.....	7	Marshville	1
Eagle Springs.....	2	Maxton	1
Elizabeth City	2	Middlesex	1
Fairmont.....	1	Monroe	1
Faison	1	Mount Olive	1
Fayetteville.....	5	New Bern	2
Garland	1	Overhills	1
Gastonia	2	Pinehurst	1
Gibson.....	1	Polkton	1
Goldsboro	3	Raeford	1
Greensboro	1	Raleigh	2
Greenville	8	Red Springs	2
Hamlet.....	1	Reidsville	1
Harmony	1	Rocky Mount	6
Hertford	1	Sanford	1
Hickory	1	Scotland Neck	1
Hope Mills	1	Southern Pines	1
Jackson	1	Tarboro	1
Jacksonville	1	Thelma	1
Jonesville	1	Wadesboro	5
Kelly	1	Wagram	1
Kings Mountain	1	Wakefield	1
Kinston	1	Wake Forest	1
Kipling	1	Weldon	1
La Grange	1	Wendell	1
Laurinburg	2	Winston-Salem	5

OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS
AND CONSULTATION

July	19	January	4
August.....	13	February	5
September	11	March	6
October	24	April	6
November	6	May	16
December	8	June	9

CLASSIFICATION

Reexaminations.....	13
Positive diagnosis	63
Negative diagnosis	51
	127

SUMMARY MEDICAL REPORT

Patients admitted:

Minimal.....	7
Moderately advanced	23
Far advanced	75
Tracheobronchial tuberculosis	9
Not tuberculous	6
Not classified	2
Total.....	122

Patients discharged:

Arrested.....	0
Apparently arrested	10
Quiescent.....	14
Improved.....	31
Unimproved.....	33
Died.....	15
Not tuberculous	7
Not classified	2
Total.....	112

Hospital days 17,137

REPORT OF X-RAY LABORATORY

Stereoröntgenograms of chest (Sanatorium patients).....	140
Stereoröntgenograms of chest (outside patients).....	30
Double roentgenograms of chest (children's clinics).....	133
Roentgenograms, other parts of body.....	4
Total.....	307

X-ray treatments 40

LABORATORY REPORT

Sputanalyses:	
Micros.....	538
Chem.....	169
Total.....	707
Urinalyses:	
Micros.....	226
Chem.....	224
Total.....	450
Blood:	
W. B. C.	127
R. B. C.	124
Hemoglobin.....	125

THE NORTH CAROLINA SANATORIUM

35

Blood—*continued*:

Color index	124
Differential count.....	126
Kahn test	92
Wassermann test	153
Culture.....	2
 Total.....	 873
Feces	133
Phthalein.....	1
Gastric fluid	1
Pleural fluid	3
Bacteriological	6
 Total.....	 144
Total examinations and tests.....	2,174

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Board of County Commissioners, Anson	7
Board of County Commissioners, Bladen.....	1
Board of County Commissioners, Brunswick.....	2
Board of County Commissioners, Caldwell	2
Board of County Commissioners, Carteret.....	3
Board of County Commissioners, Currituck	2
Board of County Commissioners, Forsyth.....	2
Board of County Commissioners, Gaston.....	2
Board of County Commissioners, Hoke	5
Board of County Commissioners, Iredell.....	1
Board of County Commissioners, Pasquotank.....	1
Board of County Commissioners, Richmond	3
Board of County Commissioners, Rockingham	1
Board of County Commissioners, Union.....	1
Charity Organization Society, Goldsboro.....	3
City of Salisbury	1
City of Winston-Salem	4
Moore County Health and Welfare Association.....	2
Public Welfare, Durham	9

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and magazines:

- Miss A. F. Brown.
- Rev. Mr. Drew, Southern Pines, N. C.
- Friends at Pine Bluff, N. C.
- Mrs. Robinson, Southern Pines, N. C.
- Mrs. Page, Aberdeen, N. C.
- Mrs. M. E. Morse, Catonsville, Md.

Fruit: Mrs. M. E. Holliday.

Cash donations (for repair of radio, fruits, flowers, etc.):

- Mrs. James Boyd, Southern Pines, N. C.
- Mrs. S. P. Chapin, Southern Pines, N. C.
- White Rock Baptist Church, Durham, N. C.

PRISON DIVISION

MEDICAL REPORT

1929

STATISTICAL

Number of patients to be reported on.....	30
Number not classified	3
Number not tuberculous	7
One patient admitted as hopeless case.....	1
Number of patients in Sanatorium July 1, 1929.....	38
Total number of patients treated during the twelve months.....	78

SUMMARY MEDICAL REPORT

Patients admitted:

Minimal.....	12
Moderately advanced	20
Far advanced	14
Not tuberculous	5
Not classified	9
Extrapulmonary	2
Tracheobronchial	3
Total.....	65

Patients discharged:

Arrested.....	0
Apparently arrested	5
Quiescent.....	6
Improved.....	11
Unimproved.....	2
Died.....	7
Not tuberculous	7
Not classified	2
Total.....	40
Hospital days	10,178

REPORT OF X-RAY LABORATORY

Stereoroentgenograms of chest (Sanatorium patients).....	92
Stereoroentgenograms of chest (clinic patients).....	19
Roentgenograms, other parts of body.....	5
Total.....	116
Treatments	9

LABORATORY REPORT

Sputanalyses:		
Micros.....	374	
Chem.....	171	—
Total.....	545	
Urinalyses:		
Micros.....	83	
Chem.....	78	—
Total.....	161	
Blood:		
W. B. C.	66	
R. B. C.	64	
Hemoglobin.....	64	
Color index	64	
Differential count.....	64	
Kahn test	34	
Wassermann	40	
Culture.....	1	
Malaria.....	1	—
Total.....	398	
Feces	64	
Pleural fluid	1	
Bacteriological	4	—
Total.....	1,173	

OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS
AND CONSULTATION

July	8	January	7
August.....	8	February.....	7
September.....	13	March	15
October	2	April	13
November	4	May	5
December	9	June.....	0

CLASSIFICATION

Positive diagnosis	42
Negative diagnosis	49
Reëxamination	0
	91

GENERAL CONDITIONS

The year 2011 was characterized by a number of extreme events. The first half of the year was dominated by a series of severe droughts, which were followed by a period of heavy rainfall in the second half of the year. The most significant event was the heavy rainfall in September, which caused widespread flooding and damage to infrastructure. The year also saw several tropical cyclones, including Cyclone Yasi, which caused significant damage to coastal areas. The overall impact of these events on the economy and society was significant, with widespread disruption to agriculture, transport, and energy supplies.

CLIMATE AND ENVIRONMENTAL CONDITIONS

GENERAL CONDITIONS

The climate in 2011 was generally dry, with below-average rainfall across most of the country. This was particularly evident in the northern and central regions, where rainfall was significantly below average. The southern region experienced more variable conditions, with some areas receiving above-average rainfall. The overall impact of the dry conditions was significant, with widespread disruption to agriculture and water supplies.

GENERAL CONDITIONS

The environmental conditions in 2011 were generally favorable, with no major environmental issues reported. The year saw a number of significant environmental events, including the release of oil from a pipeline in the northern region, which caused significant damage to the environment. The overall impact of these events was significant, with widespread disruption to the environment and infrastructure.

AUDIT
of
THE NORTH CAROLINA SANATORIUM
for the Treatment of Tuberculosis
SANATORIUM, N. C.

July 1, 1928, to June 30, 1929

AUDIT

V

The North Carolina Sanatorium

for the Treatment of Tuberculosis

and other Chronic Diseases

1000 feet above sea level.

AUDIT JULY 1, 1928, TO JUNE 30, 1929

EXHIBIT B

INCOME AND EXPENSE—PERMANENT IMPROVEMENT FUND

July 1, 1928, to June 30, 1929

INCOME:

Unexpended balance, July 1, 1928.....	\$73,855.60
Insurance—Fire loss, poultry barn.....	124.24
Insurance—Fire loss, dairy barn.....	30,660.00
	<u>\$104,639.84</u>

EXPENSE:

Livestock	\$ 1,970.00
Dairy barn.....	29,086.28
Women's Ambulatory Building.....	38,753.82
Ice plant and cold storage.....	7,124.70
Horse barn	3,817.24
Equipment new building.....	12,935.68
Milking barn	12.85
Implement shed	1,357.82
Awnings—New building.....	750.05
Prison building	200.00
Brooder houses—Insurance	122.95
	<u>96,131.39</u>
Unexpended balance, June 30, 1929.....	<u>\$ 8,508.45</u>

EXHIBIT D

INCOME AND EXPENSE—EXTENSION FUND

July 1, 1928, to June 30, 1929

INCOME:

Appropriation :	
Chapter 79, Public Laws 1927.....	\$20,000.00
Institutional Receipts :	
Office and administration.....	\$753.53
Medical and surgical care.....	41.60
	<u>795.13</u>

Total income

\$ 20,795.13

EXPENSE:

Personal service	\$12,446.65
Supplies and materials.....	428.38
Postage, etc.	511.80
Travel expense	2,979.81
Printing, binding, etc.....	2,345.04
Equipment	213.19
	<u>18,924.87</u>

Cash balance, June 30, 1929, excess income over expense.....

\$ 1,870.26

EXHIBIT F

INCOME AND EXPENSE—MAINTENANCE FUND**July 1, 1928, to June 30, 1929****INCOME:**

Appropriation	\$ 150,000.00
Institutional Receipts:	
Office and administration.....	\$ 9,287.35
Subsistence	116,934.38
Housekeeping	2,054.94
Laundering	2,712.60
Medical and surgical care.....	7,261.05
Agricultural.....	612.29
	138,862.61
Total income.....	\$ 288,862.61

EXPENSE:

Office and administration.....	\$ 21,492.14
Subsistence	85,117.46
Housekeeping	21,139.61
Laundering	4,540.22
Medical and surgical care.....	29,618.39
Nursing and attendance.....	13,222.50
Light, heat, power, and water.....	34,491.65
Care of buildings and grounds.....	18,936.76
Instructional	1,682.81
Recreational.....	564.77
Agricultural	37,141.64
	267,947.95
Deduct allotment deposit.....	\$ 20,914.66
	5,092.00
Excess income over expense, as per records of the State Auditor.....	\$ 15,822.66

SCHEDULE G-1

ANALYSIS OF DISBURSEMENTS—MAINTENANCE FUND**July 1, 1928, to June 30, 1929****OFFICE AND ADMINISTRATION:**

1101 Executive salaries.....	\$ 1,999.92
1103 Clerical salaries.....	3,561.35
1109 Per diem and fees.....	529.71
1201 Office supplies.....	458.96
1301 Postage.....	528.28
1302 Telephone and telegraph.....	813.09
1401 Hotel and meals.....	33.65
1402 Railroad and other fares.....	29.54
1403 Mileage allowance.....	3.10
1501 Printing : Stationery, office forms, etc.....	452.40
1502 Printing : Reports, bulletins, catalogs, etc.....	248.78
1601 Motor vehicles : Upkeep.....	3,352.69
1905 Miscellaneous expense.....	4.50
2202 Casualty insurance.....	6,745.82
2403 Refunds.....	1,874.75
3101 Office equipment and furnishings.....	282.10
3107 Motor Vehicle : Purchase.....	573.50
	\$ 21,492.14

THE NORTH CAROLINA SANATORIUM

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ANALYSIS OF DISBURSEMENTS—MAINTENANCE FUND—CONTINUED

SUBSISTENCE:

1105 Supervisors' salaries.....	\$ 1,725.00
1106 Skilled labor.....	2,100.00
1107 Unskilled labor.....	9,948.97
3103 Dining-room and kitchen equipment.	1,743.18
1203-A Meat, fish, and fowl.....	27,282.43
1203-B Dairy products and eggs.....	7,444.16
1203-C Cereal food products.....	6,890.98
1203-D Vegetables.....	11,058.39
1203-E Fruits and nuts.....	7,750.98
1203-F Saccharine products.....	3,058.88
1203-G Beverages.....	1,638.66
1203-H Condiments, flavors, and pickles.....	1,479.11
1203-I Fats, oils, miscellaneous provisions.....	2,996.72
	85,117.46

HOUSEKEEPING:

1105 Supervisors' salaries.....	\$ 1,020.00
1107 Unskilled labor.....	8,730.57
1202 Cleaning and household supplies.....	5,403.99
1204 Sewing supplies, dry goods.....	44.64
1217 Ice and other refrigeration supplies.....	210.04
1222 Wearing apparel purchased.....	924.31
1223 Miscellaneous fuel.....	149.04
3104 Bedding and linen.....	3,293.91
3102 Furnishings and furniture.....	1,251.12
3120 Electrical supplies.....	111.99
	21,139.61

LAUNDERING:

1105 Supervisors' salaries.....	\$ 1,380.00
1107 Unskilled labor.....	2,473.89
1205 Laundry supplies.....	597.70
3105 Laundry equipment.....	88.63
	4,540.22

MEDICAL AND SURGICAL CARE:

1102 Professional and technical salaries.....	\$ 13,222.50
1108 Commutation.....	145.00
1206 Medical and surgical supplies.....	11,024.78
1207 Drugs and medicines.....	2,643.75
1208 Laboratory supplies and materials.....	898.92
3106 Medical and surgical equipment.....	1,644.83
3108 Laboratory equipment.....	38.61
	29,618.39

NURSING AND ATTENDANCE:

1102 Professional and technical salaries.....	\$ 6,959.25
1107 Unskilled labor.....	6,263.25
	13,222.50

LIGHT, HEAT, POWER, AND WATER:

1106 Skilled labor.....	\$ 2,941.44
1107 Unskilled labor.....	4,230.09
1218 Power and heating plant supplies.....	1,387.68
1224 Coal, including freight.....	14,745.85
1701 Light, power, and water.....	9,491.80
3118 Power and heating plant equipment.....	1,237.51
1229 Water plant supplies.....	457.28
	34,491.65

CARE OF BUILDINGS, GROUNDS, AND EQUIPMENT:

1105 Supervisors' salaries.....	\$ 2,880.00
1106 Skilled labor.....	1,023.31
1107 Unskilled labor.....	2,100.21
1213 Botanical and ground supplies.....	109.72
1219 Plumbing supplies and materials.....	344.01

ANALYSIS OF DISBURSEMENTS—MAINTENANCE FUND—CONTINUED

CARE OF BUILDINGS, GROUNDS, AND EQUIPMENT—Continued.

1220	Electrical supplies and materials.....	\$ 813.58
1221	General supplies and materials.....	301.01
1801	Repairs to equipment and fixtures.....	1,019.80
1802	Repairs to buildings and structures.....	3,203.14
3121	General equipment.....	126.11
1227	Building supplies.....	4,393.67
1227-A	Awning repairs.....	157.20
	Extraordinary repairs.....	2,465.00
		_____ \$ 18,936.76

INSTRUCTIONAL :

1102	Professional and technical salaries.....	\$ 910.00
1103	Clerical salaries.....	29.00
1109	Per diem and fees.....	10.00
1209	Class-room and teachers' supplies.....	154.21
1210	Library supplies.....	114.21
3109	Class-room and teachers' equipment.....	343.20
3110	Library equipment and stock.....	122.19
		_____ 1,682.81

RECREATIONAL :

1105	Supervisors' salaries.....	\$ 50.00
1107	Unskilled labor.....	16.35
1212	Recreational supplies.....	261.26
3112	Recreational equipment.....	237.16
		_____ 564.77

AGRICULTURAL :

1105	Supervisors' salaries.....	\$ 2,925.00
1106	Skilled labor.....	657.80
1107	Unskilled labor.....	7,891.52
1802	Repairs to buildings and structures.....	420.75
1214	Farm and dairy supplies.....	1,493.45
1215	Forage and supplies for animals.....	.30
1601	Motor vehicles : Upkeep.....	858.91
1801	Repairs to equipment and fixtures.....	147.27
1802	Repairs to poultry buildings.....	137.35
3107	Motor vehicles : Purchase.....	688.00
3114	Farm and dairy equipment.....	719.23
3115	Livestock.....	400.00
1105-D	Dairyman.....	300.00
1106-D	Skilled labor—dairy.....	1,295.00
1107-D	Unskilled labor—dairy.....	1,228.10
1214-D	Dairy supplies.....	1,269.53
1215-D	Dairy feed.....	6,605.37
3107-D	Motor vehicles : Purchase.....	93.59
3114-D	Dairy equipment.....	316.17
3115-D	Dairy livestock.....	300.00
1214-K	Kerosene.....	367.51
1106-P	Skilled labor—poultry.....	1,112.50
1107-P	Unskilled labor—poultry.....	317.50
1214-P	Poultry supplies.....	152.35
1215-P	Poultry feed.....	2,699.05
3114-P	Poultry equipment.....	114.38
1227-P	Poultry buildings.....	80.75
1227-D	Dairy building supplies.....	102.60
1214-H	Hogs supplies.....	95.71
3115-H	Livestock—hogs.....	30.00
1226-H	Fertilizers and seeds.....	3,944.01
1227-H	Building supplies.....	377.94
		_____ 37,141.64
	Total disbursements.....	\$267,947.95

SCHEDULE G-2

INSTITUTIONAL RECEIPTS—MAINTENANCE FUND

July 1, 1928, to June 30, 1929

OFFICE AND ADMINISTRATION:

Telephone and telegraph.....	\$ 219.34
Gasoline sales.....	792.73
Refunds.....	5,820.91
Postoffice rent.....	90.00
Insurance.....	2,364.37
	_____ \$ 9,287.35

SUBSISTENCE:

Groceries.....	\$ 2,205.34
Patients' fees.....	114,729.04
	_____ 116,934.38

HOUSEKEEPING:

Supplies.....	\$ 2,054.94
	2,054.94

LAUNDRY:

Receipts.....	\$ 2,712.60
	2,712.60

MEDICAL AND SURGICAL CARE:

Medical fees.....	\$ 557.35
X-rays.....	6,703.70
	7,261.05

AGRICULTURAL:

Produce sold.....	\$ 612.29
	612.29

Institutional receipts as per records of State Auditor..... \$138,862.61

SCHEDULE G-5

PER CAPITA COST—MAINTENANCE FUND

Year Ended June 30, 1929

(Average Number of Patients, 333½)

	EXPENDITURES	AV. PER CAPITA COST	
		For Period	Per Day
Office and administration.....	\$ 21,492.14	\$ 64.44	.1766
Subsistence.....	85,117.46	255.22	.6992
Housekeeping.....	21,139.61	63.39	.1737
Laundering.....	4,540.22	13.62	.0373
Medical and surgical care.....	29,618.39	88.81	.2433
Nursing and attendance.....	13,222.50	39.65	.1086
Light, heat, power, and water.....	34,491.65	103.42	.2834
Care of buildings, grounds, and equipment.....	18,936.76	56.78	.1556
Instructional.....	1,682.81	5.05	.0138
Recreational.....	564.77	1.69	.0046
Agricultural.....	37,141.64	111.37	.3051
	\$267,947.95	\$803.44	\$2,2012
FOOD ITEMS:			
1203-A Meat, fish, and fowl.....	\$ 27,282.43	\$ 81.81	.2241
1203-B Dairy products and eggs.....	7,444.16	22.32	.0612
2103-C Cereal food products.....	6,890.98	20.66	.0566
1203-D Vegetables.....	11,058.39	33.16	.0908
1203-E Fruits and nuts.....	7,750.98	23.24	.0637
1203-F Saccharine products.....	3,058.88	9.17	.0251
1203-G Beverages.....	1,638.66	4.91	.0135
1203-H Condiments, flavors, etc.....	1,479.11	4.44	.0122
1203-I Fats, oils, miscellaneous provisions.....	2,996.72	8.99	.0246
	\$ 69,600.31	\$208.70	\$.5718
FARM PRODUCTS, consumed as food.....	33,752.35	101.21	.2773
Total Food Items.....	\$103,352.66	\$309.91	\$.8491

EXHIBIT J

FARM AND DAIRY

July 1, 1928, to June 30, 1929

Farm products consumed as food.....	\$33,752.35
Farm products consumed on farm.....	15,395.00
Farm products consumed otherwise.....	6,216.44
Labor and truck hire.....	1,314.00
Total income from farm.....	\$56,677.79
Less cost of operations.....	52,536.64
Nominal profit on operations.....	\$ 4,141.15

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